07/25/2011

Andrius Knasas
Assistant District Attorney, Suffolk County

Dear ADA Knasas,

Enclosed is the information you requested in regards to Commonwealth vs. ████████
Included are copies of the following:

1.   Curriculum Vitae for Annie Dookhan, & Lisa Glazer.

2.   Drug Analysis Laboratory Receipt.

3.   Control Cards with analytical results for samples # ████████

4.   Analysis sheets with custodial chemist's hand notations and test results.

5.   GC/Mass Spectral analytical data for samples # ████████

Annie Dookhan was the custodial chemist and performed the preliminary testing and net weight for this sample.   Lisa Glazer was the confirmatory chemist and analyzed the GC/MS data for this sample.

If you have any questions about these materials, please call me at the number below.

Sincerely,

Annie Dookhan
Chemist II
Drug Analysis Lab
Jamaica Plain, MA.  02130
(617) 983-6631

# Curriculum Vitae

**Annie Khan (Dookhan)**

**Education:**
University of Massachusetts, Boston, Ma, Master of Science in Chemistry.
University of Massachusetts, Boston, Ma, Bachelor of Science in Biochemistry.

**Experience:**
2003 – present
Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

*Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.
*Appointed Assistant Analyst by Assistant Commissioner of Public Health, 2004.
*Responsible for the identification of illicit drugs to determine violations of harmful and narcotic drug laws.
*Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.
*Maintenance and repairs of all analytical instruments.
*Responsible for the Quality Control of all analytical instruments, reagents and controls/standards.
*Oversee the Quality Control/Quality Assurance program for the Drug Lab.
*Writing, revising and reviewing Standard Operating Procedures (SOPs) and Protocols.
*Notary Public.
*Qualified as an expert witness in Massachusetts Courts and U.S. District Court

2001 – 2003
QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

*Completed proficiency training conducted by a member of the staff within the MLB Quality Control and Quality Assurance Department.
*Method Development for creating new techniques and enhancing vaccines for the QC Dept. and FDA.
*Writing, revising and reviewing Standard Operating Procedures (SOPs).
*Trained and supervised new chemists and interns for the department.
*Routine QC testing of products for the FDA.
*Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.
*Calibration, preventive maintenance, QC and QA of analytical instrumentation.
*Complete testing of chemicals for Vendor Validation Project for the FDA.
*Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

**Additional Training:**
Dept. of Justice – Forensics Professionals. (numerous trainings)
GLP/GMP training with Massachusetts Biologic Laboratory.
QC/QA training according to FDA Codes and Regulations.
GC and GC/MS trainings with Agilent Technologies and Restek.
HPLC and LC/MS/MS trainings with Waters Cooperation.
FTIR training with Spectros.
TOC training with MBL and Sievers.

**Association:**
American Chemical Society (ACS)
Northeastern Association of Forensics Science (NEAFS)

# Curriculum Vitae

Lisa A. Glazer

## Education

Bachelor of Science Degree, CHEMISTRY January 2006
UNIVERSITY OF NEW HAVEN
Coursework included: Organic Chemistry, Inorganic Chemistry, Quantitative
Analysis, Instrumental Analysis, Physical Chemistry, Physics, Calculus

Bachelor of Science Degree, FORENSIC SCIENCE January 2006
UNIVERSITY OF NEW HAVEN
Coursework included: Organic Chemistry, Quantitative Analysis, Instrumental
Analysis, Physical Chemistry, Physics, Calculus, Biology, Criminal Justice and
Forensic Science courses

## Employment

**Chemist I, II State Laboratory Institute** (May 2007-Present)
Massachusetts Department of Public Health
Drug Analysis Laboratory
➢ Responsible for the identification of substance to determine violation of the
Massachusetts drug laws
➢ Operate analytical instrumentation for the purpose of performing forensic
drug analysis
➢ Successfully completed an eight week training course in the analysis of drugs
conducted by senior staff of the Department of Public Health, Drug Analysis
Laboratory
➢ Appointed an assistant analyst for the Department of Public Health, Drug
Analysis Laboratory in 2007.

**Laboratory Technician I** (August 2006 – May 2007)
University of Connecticut Chemistry Department - Storrs, CT
➢ Prepared unknowns, chemical reagents and supplies for undergraduate
chemistry courses
➢ Set-up experiment demonstrations
➢ Properly disposed of hazardous waste from the experiments
➢ Made sure labs were being conducted safely
➢ Kept track of student laboratory paperwork, inventoried glassware and
chemicals and helped clean glassware

**Intern** (September 2005 – November 2005)
CONNECTICUT STATE POLICE FORENSIC LABORATORY - Meriden, CT
➢ Worked on a Pyrolysis Gas Chromatography project
➢ Observed in the GSR testing, Forensic Biology, DNA, Questioned
Documents, Black and White Photo, Latent Prints, Firearms, Trace Evidence
and Color Photo Units

# Boston Police DEPARTMENT

## DRUG RECEIPT

CC # ████████████

BOOK # _153_

PAGE # _160_

DESTRUCTION # _____

District/Unit _B-2 / Youth Violence Strike Force_

Name & Rank of Arresting Officer _Sgt. James W. Miller_     ID# _11826_

| DEFENDANT'S NAME | ADDRESS | CITY | STATE |
|---|---|---|---|
| ████████████ | | East Boston | MA |

| DESCRIPTION OF ITEMS SUBMITTED | GROSS QUANTITY | LAB USE ONLY GROSS WEIGHT | ANALYSIS NUMBER |
|---|---|---|---|
| Oxycodone - Blue Pills | 50 | 9.13 gr | ████████ |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
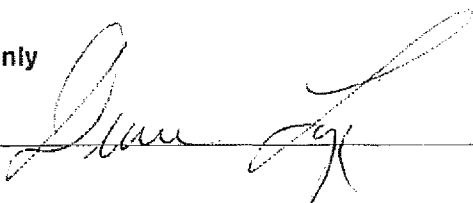
**To be completed by ECU personnel only**

Name and Rank of Submitting Officer _____     ID# _9370_

Received by _____     Date _4.21.11_

ECU Control # _____

BPD Form 0038-BIS-0907 (prev. 1753)

No. ███████ Date Analyzed: 6/7/11
City: Boston D.C.U. Police
Officer: P.O. Diana Lopez

Def: ██████████████
Amount:    50   Subst: TAB
No. Cont:      1   Cont:  pb

Date Rec'd: 04/21/2011  No. Analyzed:

Gross Wt:      0.100  Net Wt: 5.05
                          #Tests: 2980

Prelim: oxycodone  Findings: .4xBAG
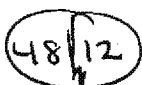                 B        Oxycodone

# DRUG POWDER ANALYSIS FORM

SAMPLE # ███████████  AGENCY Boston  ANALYST ASD

No. of samples tested: _____    Evidence Wt. _____

---

PHYSICAL DESCRIPTION:

Gross Wt ( ): _____

Gross Wt ( ): _____

Pkg. Wt: _____

Net Wt: 5.0596

So blue and tablet
in 1 pb

(5)  (48/12)

2 analyzed.

---

PRELIMINARY TESTS
## Spot Tests

Cobalt
Thiocyanate ( ) _____

Marquis _____

Froehde's _____

Mecke's _____

## Microcrystalline Tests

Gold
Chloride _____

TLTA ( ) _____

## OTHER TESTS

Microdx A ⊕

_____

---

PRELIMINARY TEST RESULTS

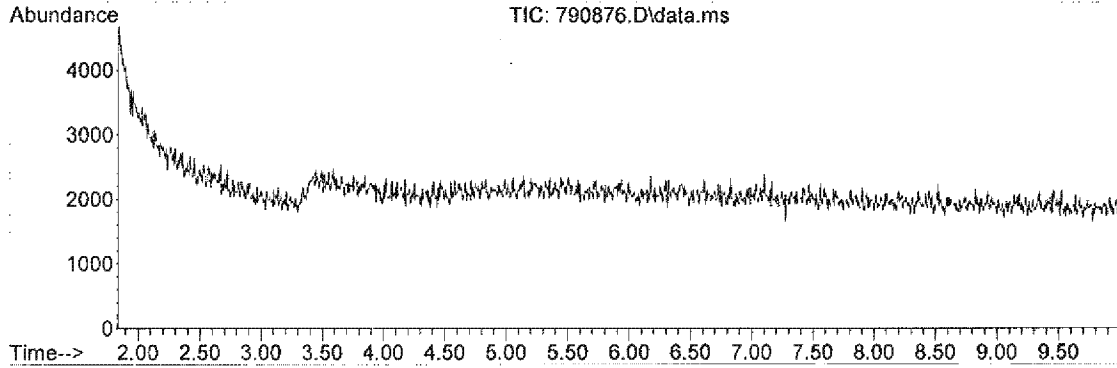RESULTS Oxycodone

DATE 6-2-11

GC/MS CONFIRMATORY TEST

RESULTS Oxycodone

MS
OPERATOR LAG

DATE 6-7-11

# Area Percent / Library Search Report

Information from Data File:
```
File Name        : C:\msdchem\1\data\SYSTEM6\06_03_11\790876.D
Operator         : LAG
Date Acquired    :  4 Jun 2011   6:41
Sample Name      : BLANK
Submitted by     :
Vial Number      :   2
AcquisitionMeth: DRUGS.M
Integrator       : RTE
```
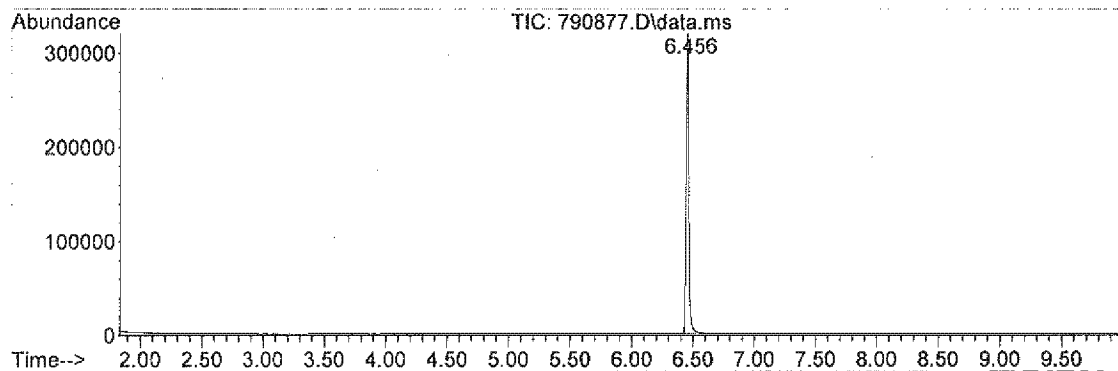


Abundance — TIC: 790876.D\data.ms

| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|

***NO INTEGRATED PEAKS***

790876.D          Fri Jul 22 09:21:06 2011          Page  1

# Area Percent / Library Search Report

Information from Data File:
```
File Name      : C:\msdchem\1\data\SYSTEM6\06_03_11\790877.D
Operator       : LAG
Date Acquired  :  4 Jun 2011    6:54
Sample Name    : OXYCODONE STD
Submitted by   :
Vial Number    :  77
AcquisitionMeth: DRUGS.M
Integrator     : RTE
```

Abundance           TIC: 790877.D\data.ms

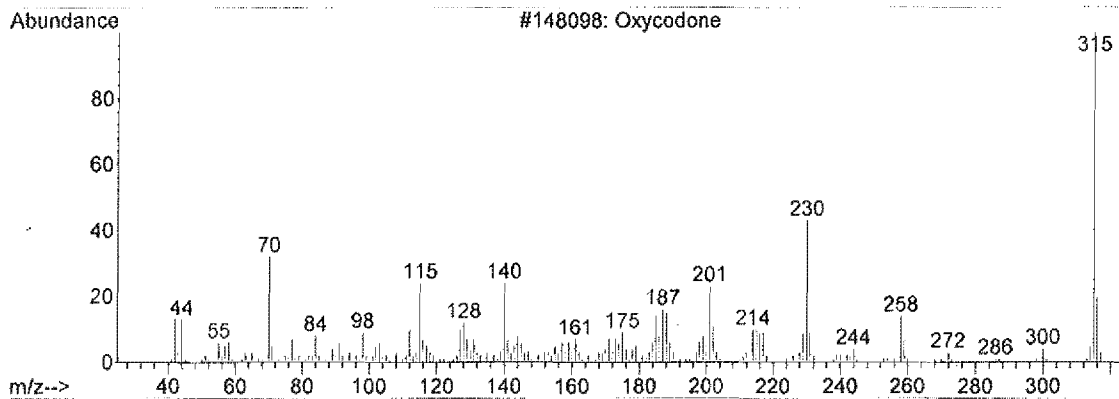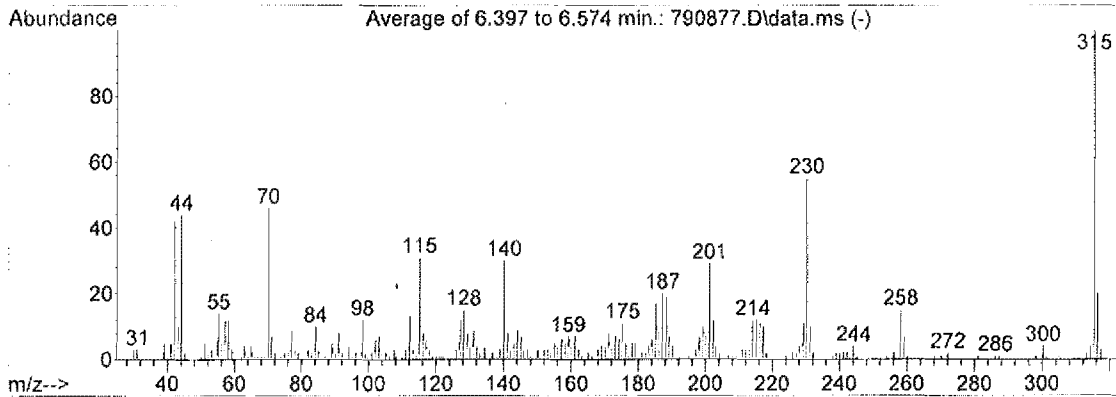| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|
| 6.456 | 463347 | 100.00 | 100.00 |

---

Information from Data File:
File Name       : C:\msdchem\1\data\SYSTEM6\06_03_11\790877.D
Operator        : LAG
Date Acquired   :  4 Jun 2011   6:54
Sample Name     : OXYCODONE STD
Submitted by    :
Vial Number     :  77
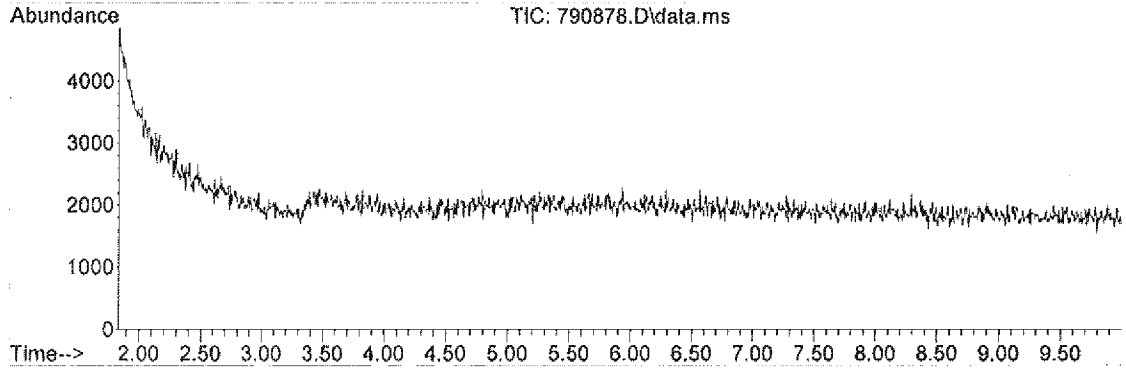AcquisitionMeth: DRUGS.M
Integrator      : RTE

---

Search Libraries:   C:\Database\SLI.L                Minimum Quality: 80
                    C:\Database\NIST08.L             Minimum Quality: 80
                    C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|---|---|---|---|---|
| 1 | 6.46 | C:\Database\NIST08.L | | |
| | | Oxycodone | 000076-42-6 | 99 |
| | | Oxycodone | 000076-42-6 | 99 |
| | | Oxycodone | 000076-42-6 | 99 |



Average of 6.397 to 6.574 min.: 790877.D\data.ms (-)



#148098: Oxycodone

Information from Data File:
File Name      : C:\msdchem\1\data\SYSTEM6\06_03_11\790878.D
Operator       : LAG
Date Acquired  :  4 Jun 2011    7:07
Sample Name    : BLANK
Submitted by   :
Vial Number    :    2
AcquisitionMeth: DRUGS.M
Integrator     : RTE

Abundance                          TIC: 790878.D\data.ms

```
4000

3000

2000

1000

   0
Time-->   2.00  2.50  3.00  3.50  4.00  4.50  5.00  5.50  6.00  6.50  7.00  7.50  8.00  8.50  9.00  9.50
```

Ret. Time              Area        Area  %      Ratio %

***NO INTEGRATED PEAKS***

Information from Data File:
File Name     : C:\msdchem\1\data\SYSTEM6\06_03_11\790879.D
Operator      : LAG
Date Acquired :  4 Jun 2011    7:20
Sample Name   : BLANK
Submitted by  : ASD
Vial Number   :   2
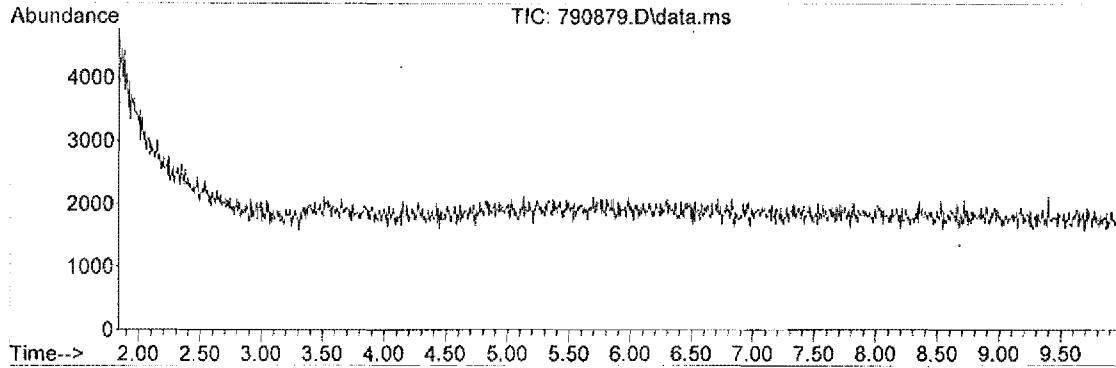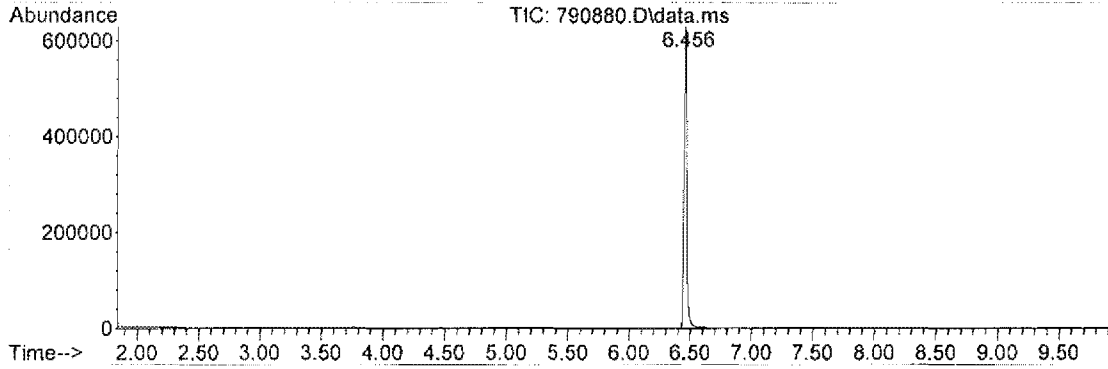AcquisitionMeth: DRUGS.M
Integrator    : RTE



Ret. Time          Area        Area  %     Ratio %

***NO INTEGRATED PEAKS***

# Area Percent / Library Search Report

Information from Data File:
File Name     : C:\msdchem\1\data\SYSTEM6\06_03_11\790880.D
Operator      : LAG
Date Acquired : 4 Jun 2011    7:33
Sample Name   : ███████████
Submitted by  : ASD
Vial Number   : 80
AcquisitionMeth: DRUGS.M
Integrator    : RTE



| Ret. Time | Area | Area % | Ratio % |
|---|---|---|---|
| 6.456 | 999273 | 100.00 | 100.00 |

Information from Data File:
File Name      : C:\msdchem\1\data\SYSTEM6\06_03_11\790880.D
Operator       : LAG
Date Acquired  :  4 Jun 2011    7:33
Sample Name    :  ██████████
Submitted by   : ASD
Vial Number    :  80
AcquisitionMeth: DRUGS.M
Integrator     : RTE

Search Libraries:  C:\Database\SLI.L           Minimum Quality: 80
                   C:\Database\NIST08.L        Minimum Quality: 80
                   C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|---|---|---|---|---|
| 1 | 6.46 | C:\Database\NIST08.L | | |
| | | Oxycodone | 000076-42-6 | 99 |
| | | Oxycodone | 000076-42-6 | 99 |
| | | Oxycodone | 000076-42-6 | 99 |

Abundance          Average of 6.414 to 6.681 min.: 790880.D\data.ms (-)

Abundance          #148100: Oxycodone

790880.D        Fri Jul 22 09:21:53 2011        Page   2
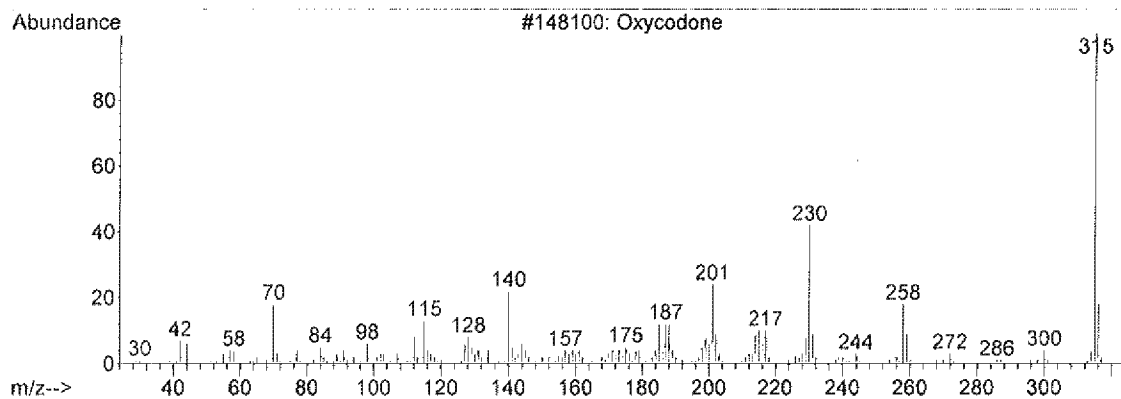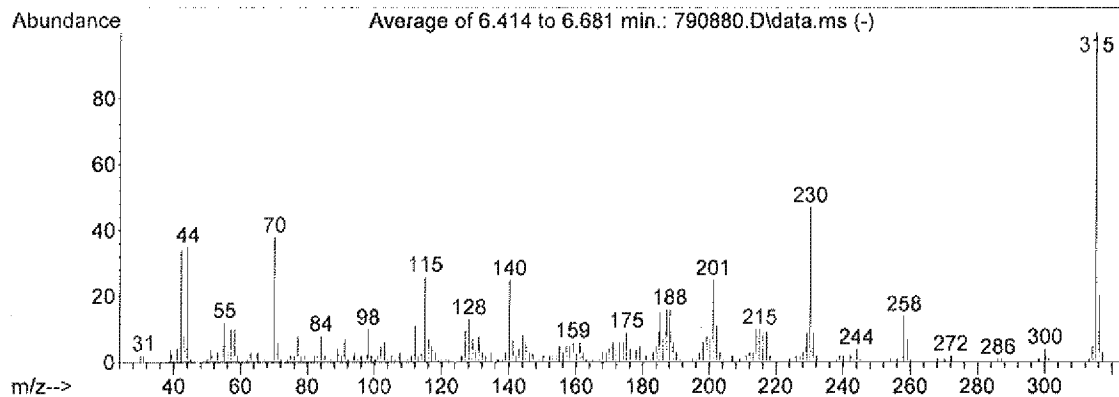
# Area Percent / Library Search Report

Information from Data File:
File Name      : C:\msdchem\1\data\SYSTEM6\06_03_11\790881.D
Operator       : LAG
Date Acquired  :  4 Jun 2011    7:46
Sample Name    : BLANK
Submitted by   : ASD
Vial Number    :   2
AcquisitionMeth: DRUGS.M
Integrator     : RTE
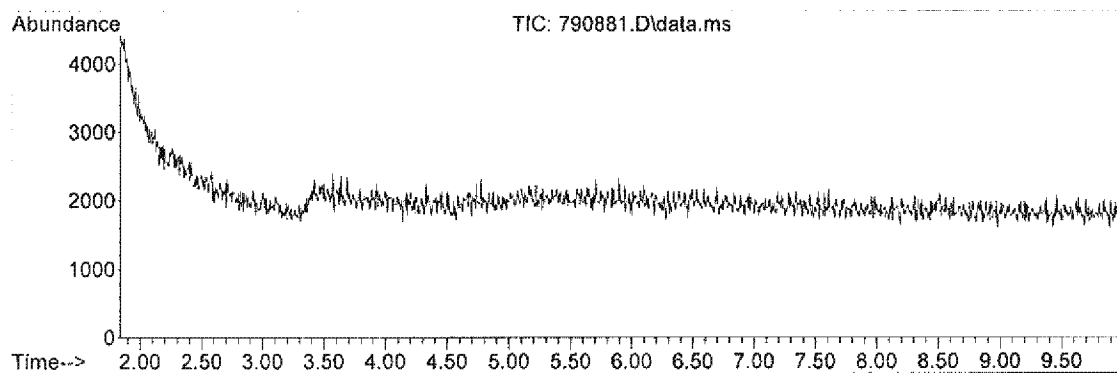
Abundance                          TIC: 790881.D\data.ms

| Ret. Time | Area | Area % | Ratio % |
| --- | --- | --- | --- |

***NO INTEGRATED PEAKS***

Information from Data File:
File Name      :  C:\msdchem\1\data\SYSTEM6\06_03_11\790882.D
Operator       :  LAG
Date Acquired  :   4 Jun 2011    8:00
Sample Name    :  BLANK
Submitted by   :  ASD
Vial Number    :    2
AcquisitionMeth:  DRUGS.M
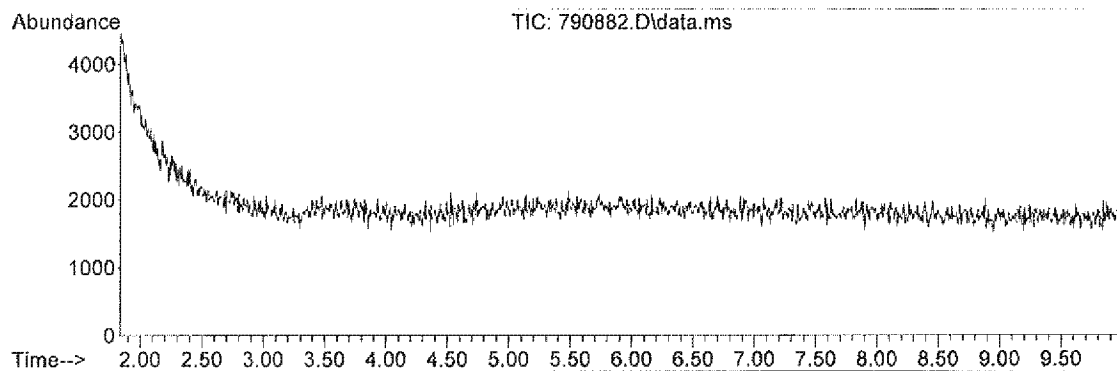Integrator     :  RTE

Abundance                          TIC: 790882.D\data.ms

```
4000

3000

2000

1000

   0
Time-->   2.00  2.50  3.00  3.50  4.00  4.50  5.00  5.50  6.00  6.50  7.00  7.50  8.00  8.50  9.00  9.50
```

| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|

***NO INTEGRATED PEAKS***

790882.D          Fri Jul 22 09:22:01 2011          Page   1

Information from Data File:
File Name      : C:\msdchem\1\data\SYSTEM6\06_03_11\790883.D
Operator       : LAG
Date Acquired  :  4 Jun 2011   8:13
Sample Name    : ▐█████████
Submitted by   : ASD
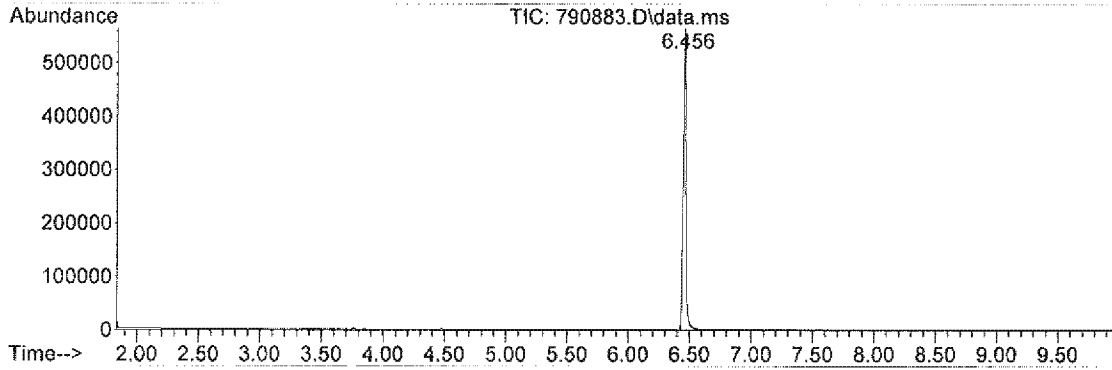Vial Number    : 83
AcquisitionMeth: DRUGS.M
Integrator     : RTE



| Ret. Time | Area | Area % | Ratio % |
|---|---|---|---|
| 6.456 | 858171 | 100.00 | 100.00 |

Area Percent / Library Search Report

Information from Data File:
File Name      : C:\msdchem\1\data\SYSTEM6\06_03_11\790883.D
Operator       : LAG
Date Acquired  :  4 Jun 2011    8:13
Sample Name    : ████████
Submitted by   : ASD
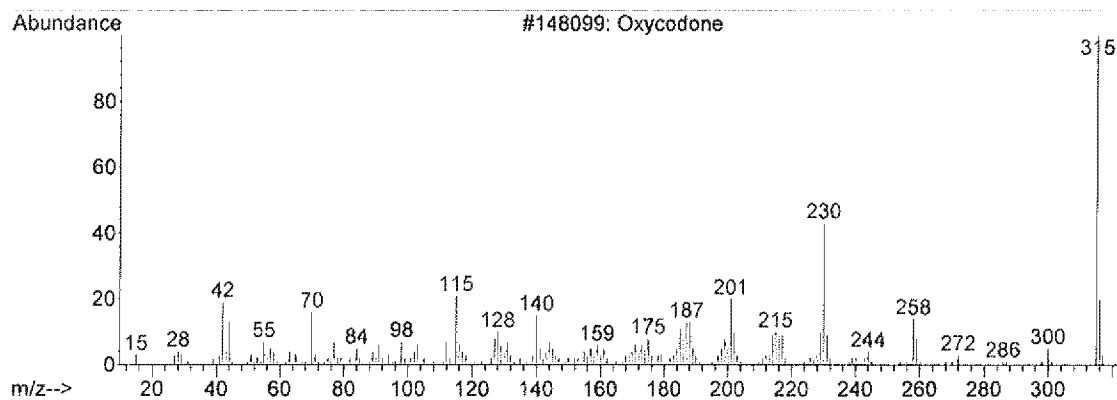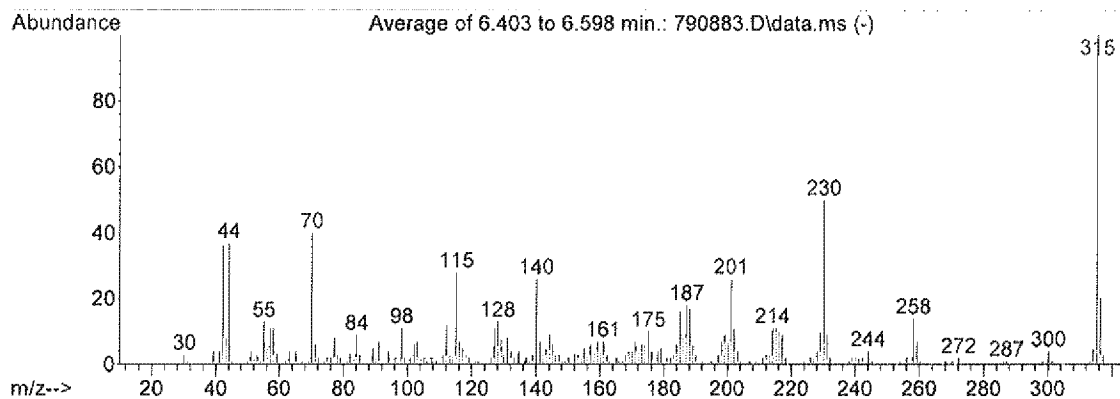Vial Number    : 83
AcquisitionMeth: DRUGS.M
Integrator     : RTE

Search Libraries:    C:\Database\SLI.L          Minimum Quality: 80
                     C:\Database\NIST08.L       Minimum Quality: 80
                     C:\Database\PMW_TOX2.L

 PK#    RT     Library/ID                          CAS#        Qual

  1    6.46    C:\Database\NIST08.L
               Oxycodone                        000076-42-6     99
               Oxycodone                        000076-42-6     99
               Oxycodone                        000076-42-6     99


Average of 6.403 to 6.598 min.: 790883.D\data.ms (-)


#148099: Oxycodone

790883.D          Fri Jul 22 09:22:05 2011          Page   2

# Area Percent / Library Search Report

Information from Data File:
File Name      : C:\msdchem\1\data\SYSTEM6\06_03_11\790655.D
Operator       : LAG
Date Acquired  :  4 Jun 2011  13:13
Sample Name    : BLANK
Submitted by   :
Vial Number    :   2
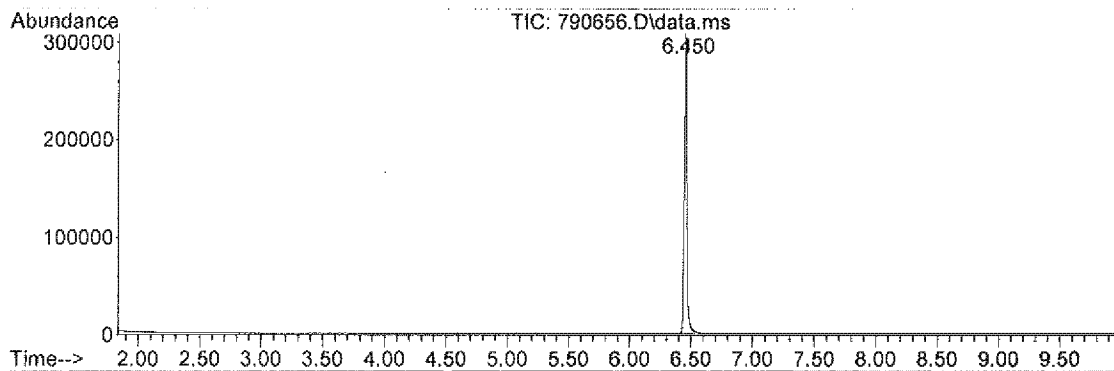AcquisitionMeth: DRUGS.M
Integrator     : RTE
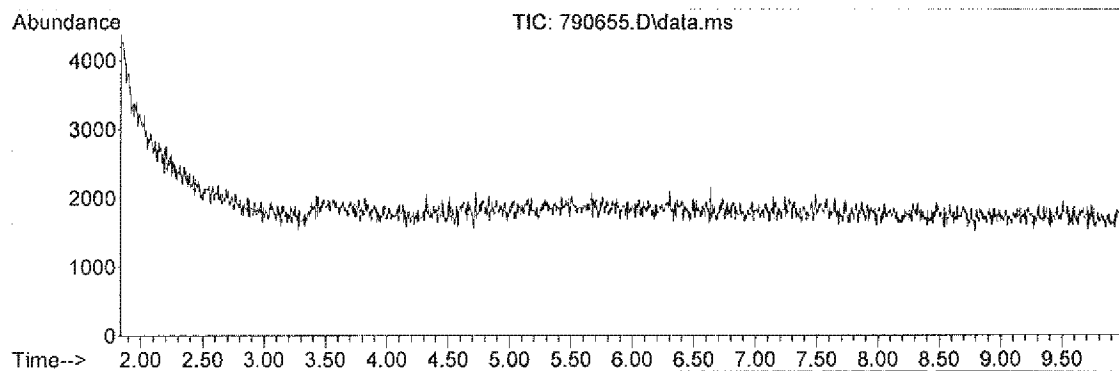


TIC: 790655.D\data.ms

| Ret. Time | Area | Area % | Ratio % |
| --- | --- | --- | --- |

***NO INTEGRATED PEAKS***

Area Percent / Library Search Report

---

Information from Data File:
```
File Name      : C:\msdchem\1\data\SYSTEM6\06_03_11\790656.D
Operator       : LAG
Date Acquired  :  4 Jun 2011  13:26
Sample Name    : OXYCODONE STD
Submitted by   :
Vial Number    :  77
AcquisitionMeth: DRUGS.M
Integrator     : RTE
```

---

Abundance
TIC: 790656.D\data.ms



| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|
| 6.450 | 456231 | 100.00 | 100.00 |

---

790656.D          Fri Jul 22 09:22:36 2011          Page   1

Information from Data File:
File Name       : C:\msdchem\1\data\SYSTEM6\06_03_11\790656.D
Operator        : LAG
Date Acquired   :  4 Jun 2011  13:26
Sample Name     : OXYCODONE STD
Submitted by    :
Vial Number     :  77
AcquisitionMeth: DRUGS.M
Integrator      : RTE

Search Libraries:   C:\Database\SLI.L           Minimum Quality: 80
                    C:\Database\NIST08.L        Minimum Quality: 80
                    C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|---|---|---|---|---|
| 1 | 6.45 | C:\Database\NIST08.L | | |
| | | Oxycodone | 000076-42-6 | 99 |
| | | Oxycodone | 000076-42-6 | 99 |
| | | Oxycodone | 000076-42-6 | 99 |


Average of 6.403 to 6.628 min.: 790656.D\data.ms (-)


#148098: Oxycodone

**Folk_OIG_PRR_042614**